AMENDMENTS IN THE CLAIMS

1. (Currently Amended) A method of transmitting a physical layer information stream having a plurality of sub-blocks, each sub-block having an error correction code, [[,]] and a priority if the sub-blocks have a different QoS(Quality of Service), comprising the steps of:

dividing the encoded physical layer information stream <u>having different sub-blocks</u> into <u>each of</u> a plurality of slots;

<u>initially</u> sequentially transmitting the divided slot data to a receiver in predetermined time intervals one of the plurality of slots;

receiving indication information that at least one of the sub-blocks in the initially transmitted slot from a receiver indicates an error and the other sub-blocks are good in reception;

repeating the at least one of the sub-blocks indicating the error within a length of a slot permitted in retransmission; and

re-transmitting slot data with a sub-block having an error repeated within the number of the sub-blocks after transmission of initial slot data, upon receipt of an HARQ (Hybrid Automatic Repeat Request) message for the initial slot data from a receiver, indicating that at least one of the sub-blocks in the initial slot data has a reception error indicating failure and the other sub-blocks are good in reception the repeated at least one of the sub-blocks.

- 2. (Currently Amended) The method of claim 1, wherein if the <u>at least one of the sub-blocks</u> failed sub-block having the an error is transmitted at least twice, the slot data repeats only the failed sub-block at least one of the sub-blocks and includes the number of the sub-blocks.
- 3. (Original) The method of claim 1, wherein the sub-blocks are encoded using quasi-complementary turbo codes (QCTCs).
- 4. (Original) The method of claim 3, wherein a code set is generated prior to initial transmission and the initial transmission is performed using a predetermined code in the code set.
- 5. (Original) The method of claim 1, wherein if at least one sub-block is retransmitted after the sub-blocks are transmitted a predetermined number of times, the code of the retransmission-requested sub-block is changed.

- 6. (Original) The method of claim 5, wherein the code is changed to an unused code in the code set in a predetermined order.
- 7. (Original) The method of claim 6, wherein upon receipt of a retransmission request after retransmission-requested sub-blocks are transmitted using all the codes of the code set, the retransmission-requested sub-block is transmitted using a code selected in the predetermined order starting from the code for initial transmission.
- 8. (Currently Amended) The method of claim 2, wherein repetition times of the at least one of the failed sub-blocks are determined according to the priorities of the sub-blocks have a different QoS.
- 9. (Currently Amended) The method of claim 8, wherein if the number of the transmitted sub-blocks is an integer-multiple of the number of the failed at least one of the sub-blocks, the at least one of the failed sub-blocks are repeated the a same number of times if the failed at least one of the sub-blocks have the a same priority.
- 10. (Original) The method of claim 9, wherein if the sub-blocks are transmitted at least twice and a signal is received before the sub-blocks are transmitted at least twice, indicating that the transmitted sub-blocks have been successfully received in the receiver, the transmission of rest of the sub-blocks to be transmitted is discontinued and transmitting a next physical layer information stream having a plurality of sub-blocks.